Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/10/2022 10:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124214	-1	2.87	124080	2.90
Blue	F	SSC	125000	124306	-1	3.50	124752	3.33
Blue	E	FITC	14284	13785	-4	3.56	385	13.78
Blue	D	PE	23919	23622	-2	3.26	558	11.02
Blue	B	PerCP-Cy5-5	31332	30888	-2	4.11	881	15.54
Blue	A	PE-Cy7	22272	21956	-2	5.80	455	31.24
Red	C	APC	47768	47100	-2	2.76	1612	12.02
Red	A	APC-Cy7	25313	24495	-4	3.10	691	12.97
Violet	B	V450	7085	6826	-4	3.78	475	11.40
Violet	A	V500	26969	26024	-4	3.38	891	8.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23581	4.50	583	-6	N/A	N/A	Pass
Blue	F	SSC	55504	3.13	523	2	N/A	N/A	Pass
Blue	E	FITC	58	54.24	493	-8	0.0436	70	Pass
Blue	D	PE	108	40.97	491	-6	0.4300	377	Pass
Blue	B	PerCP-Cy5-5	137	43.24	581	-7	0.0188	80	Pass
Blue	A	PE-Cy7	74	82.68	627	-8	0.0216	2	Pass
Red	C	APC	335	27.53	581	1	0.0256	197	Pass
Red	A	APC-Cy7	128	37.07	554	-1	0.0057	1417	Pass
Violet	B	V450	81	46.82	453	-10	0.0600	2463	Pass
Violet	A	V500	105	31.77	464	-10	0.0241	886	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.55	-31.34	1.07
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	13.64	13.60 - 20.40	N/A	N/A	29.70	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 14231

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments